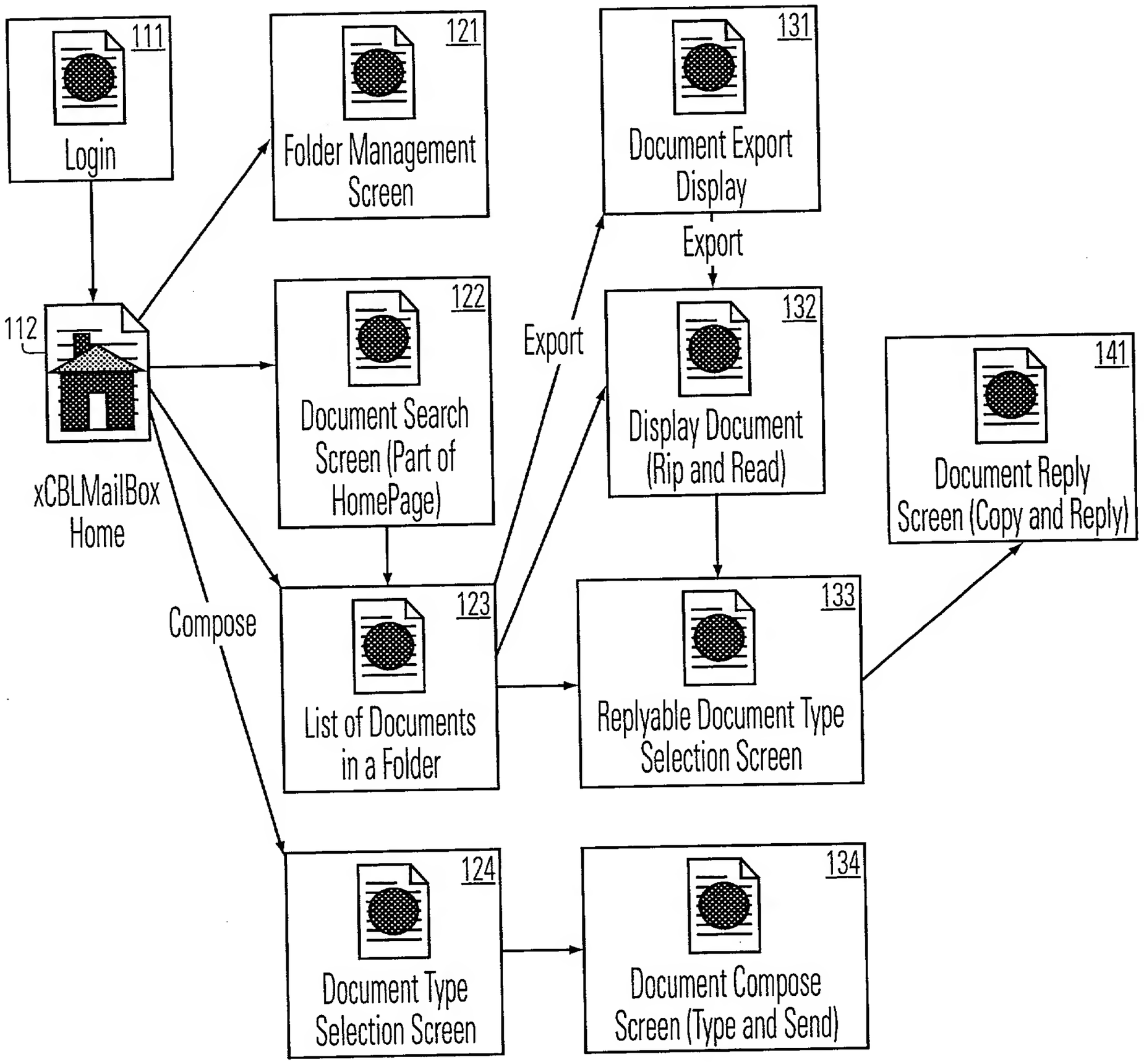
111
Login
112
xCBLMailBox Home
121
Folder Management Screen
122
Document Search Screen (Part of HomePage)
123
List of Documents in a Folder
124
Document Type Selection Screen
Compose
131
Document Export Display
Export
132
Display Document (Rip and Read)
Export
133
Replyable Document Type Selection Screen
134
Document Compose Screen (Type and Send)
141
Document Reply Screen (Copy and Reply)

FIG. 1

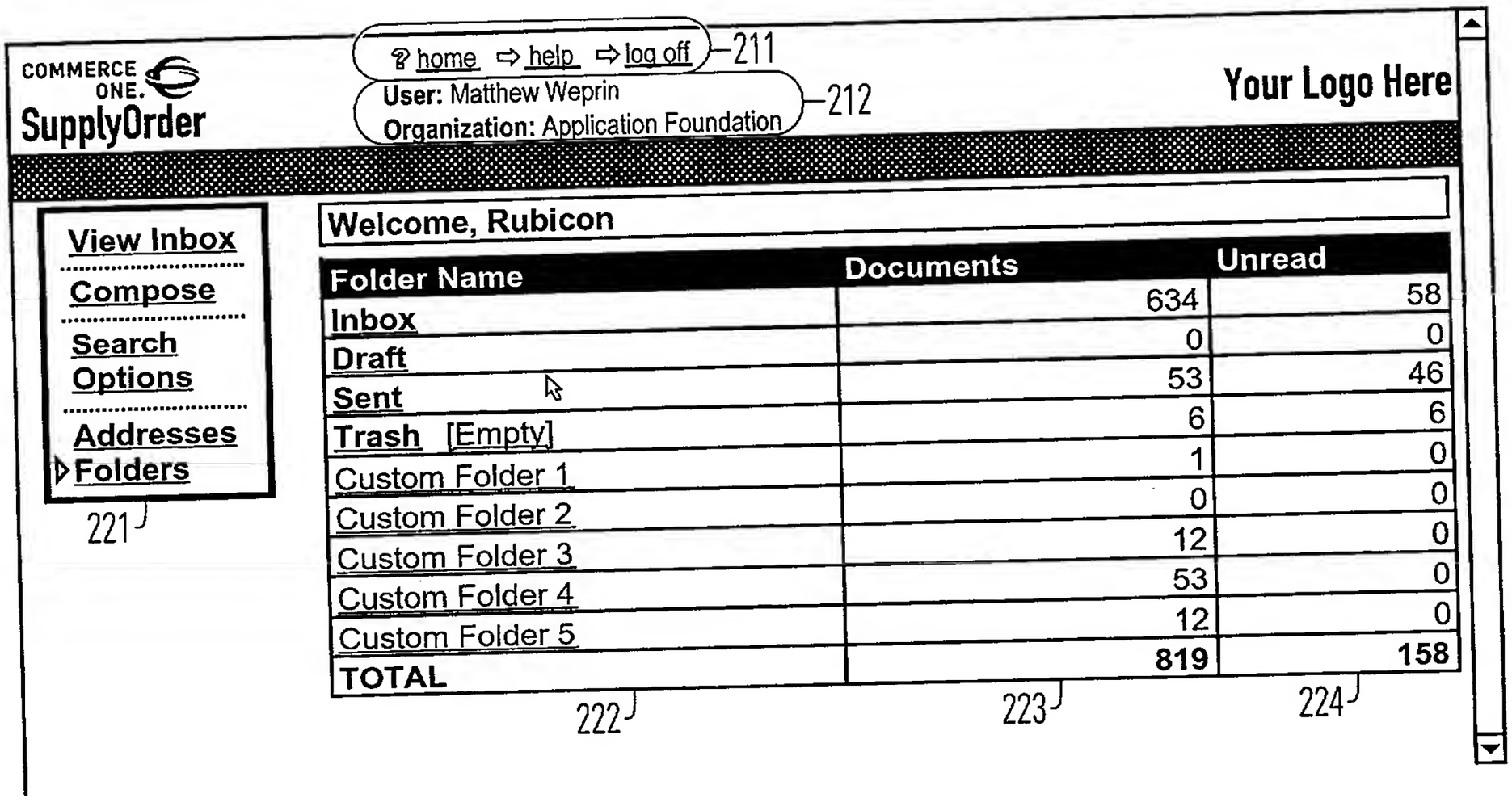
COMMERCE ONE.
SupplyOrder
home
help
log off
211
User: Matthew Weprin
Organization: Application Foundation
212
Your Logo Here
View Inbox
Compose
Search Options
Addresses
Folders
221
Welcome, Rubicon
Folder Name
Documents
Unread
Inbox 634 58
Draft 0 0
Sent 53 46
Trash [Empty] 6 6
Custom Folder 1 1 0
Custom Folder 2 0 0
Custom Folder 3 12 0
Custom Folder 4 53 0
Custom Folder 5 12 0
TOTAL 819 158
222
223
224

FIG. 2

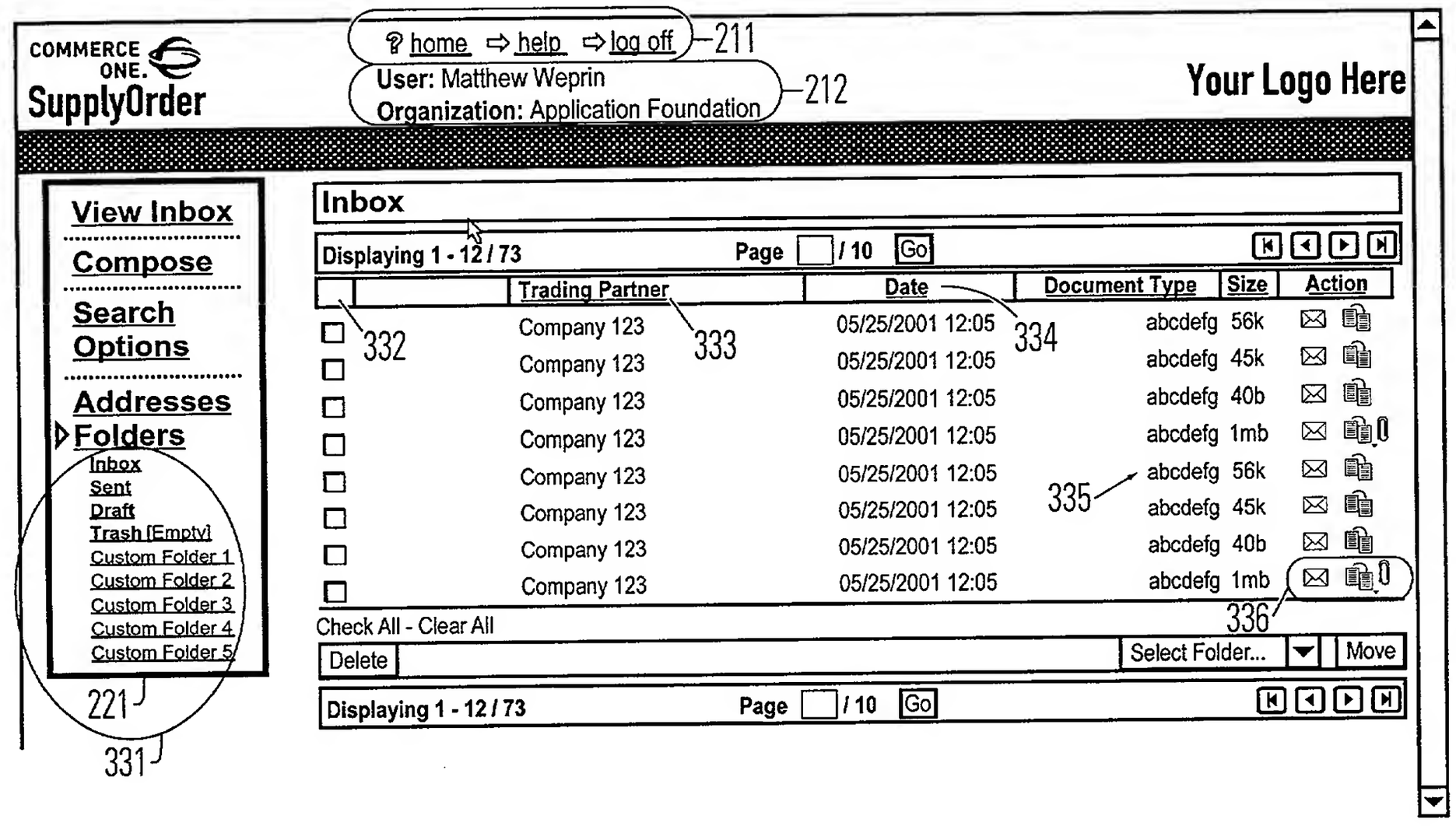
COMMERCE ONE.
SupplyOrder
home
help
log off
211
User: Matthew Weprin
Organization: Application Foundation
212
Your Logo Here
View Inbox
Compose
Search Options
Addresses
Folders
Inbox
Sent
Draft
Trash [Empty]
Custom Folder 1
Custom Folder 2
Custom Folder 3
Custom Folder 4
Custom Folder 5
221
331
Inbox
Displaying 1 - 12 / 73
Page / 10
Go
Trading Partner
Date
Document Type
Size
Action
332
333
334
Company 123
05/25/2001 12:05
abcdefg 56k
abcdefg 45k
abcdefg 40b
abcdefg 1mb
335
336
Check All - Clear All
Delete
Select Folder...
Move
Displaying 1 - 12 / 73
Page / 10
Go

FIG. 3

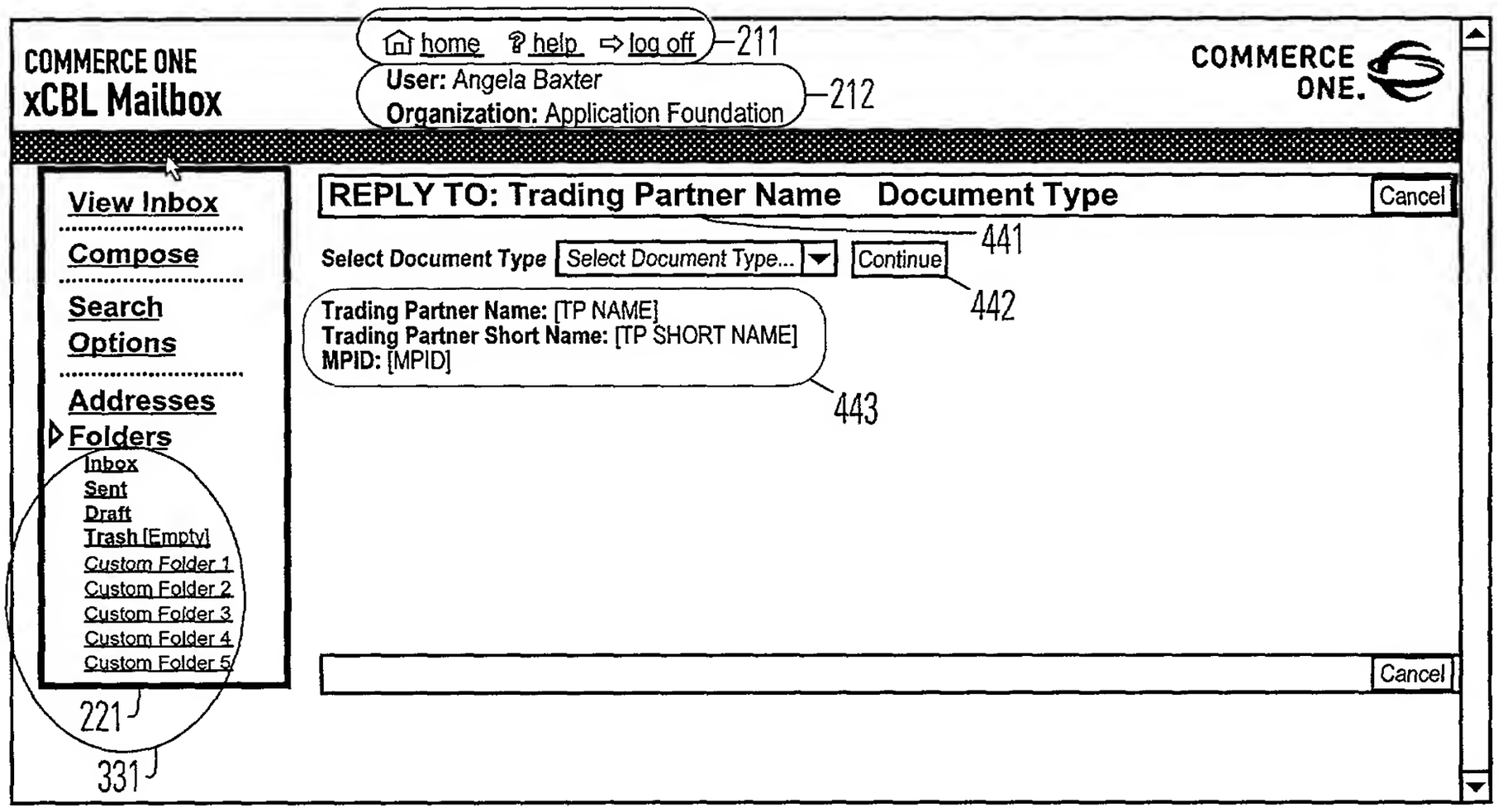
COMMERCE ONE
xCBL Mailbox
home
help
log off
211
User: Angela Baxter
Organization: Application Foundation
212
COMMERCE ONE.
View Inbox
Compose
Search
Options
Addresses
Folders
Inbox
Sent
Draft
Trash [Empty]
Custom Folder 1
Custom Folder 2
Custom Folder 3
Custom Folder 4
Custom Folder 5
221
331
REPLY TO: Trading Partner Name Document Type
Cancel
441
Select Document Type
Select Document Type...
Continue
442
Trading Partner Name: [TP NAME]
Trading Partner Short Name: [TP SHORT NAME]
MPID: [MPID]
443
Cancel

FIG. 4

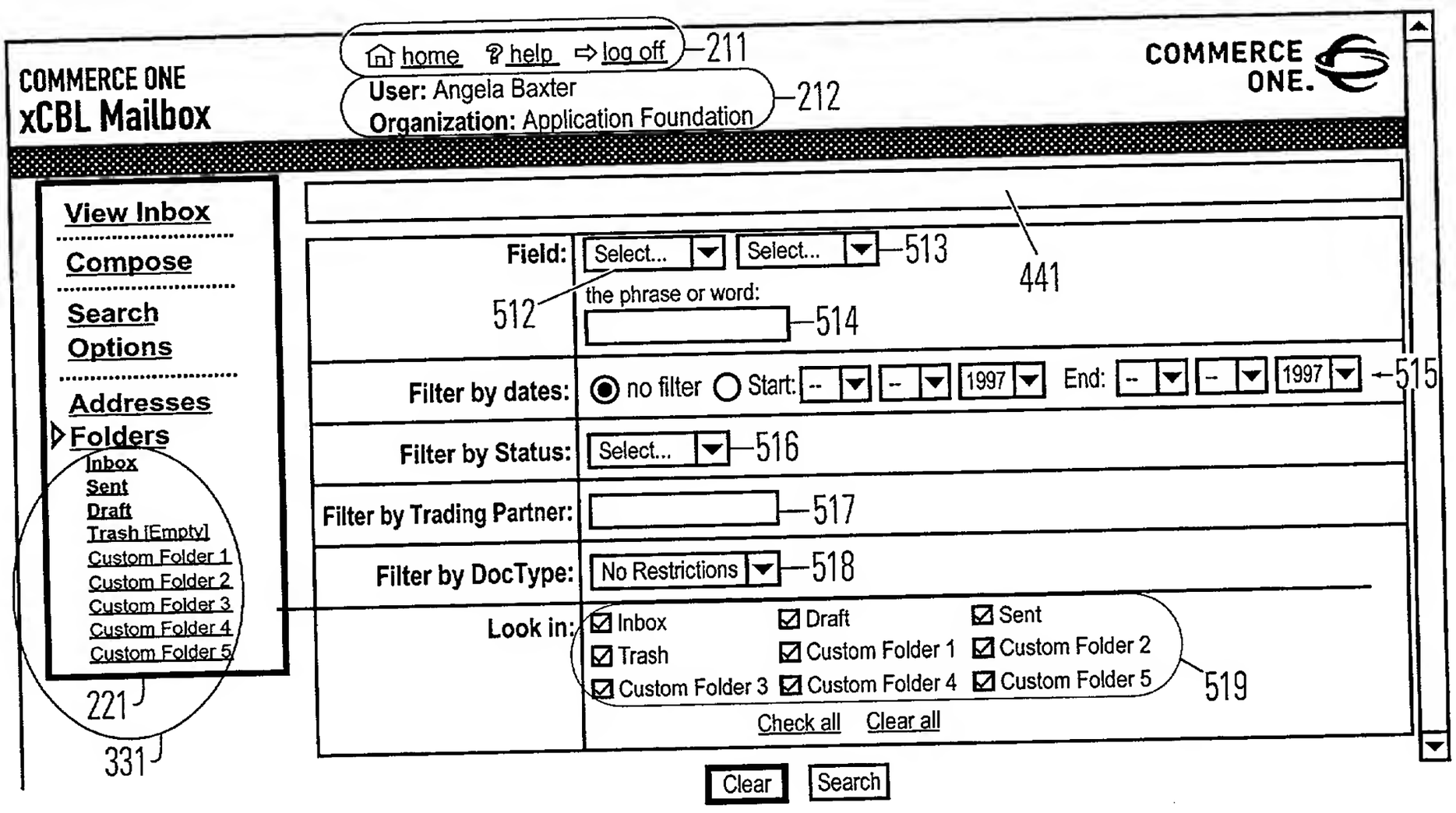
COMMERCE ONE
xCBL Mailbox
home
help
log off
211
User: Angela Baxter
Organization: Application Foundation
212
COMMERCE ONE.
View Inbox
Compose
Search
Options
Addresses
Folders
Inbox
Sent
Draft
Trash [Empty]
Custom Folder 1
Custom Folder 2
Custom Folder 3
Custom Folder 4
Custom Folder 5
221
331
441
512
Field:
Select...
Select...
513
the phrase or word:
514
Filter by dates:
no filter
Start:
End:
1997
515
Filter by Status:
Select...
516
Filter by Trading Partner:
517
Filter by DocType:
No Restrictions
518
Look in:
Inbox
Draft
Sent
Trash
Custom Folder 1
Custom Folder 2
Custom Folder 3
Custom Folder 4
Custom Folder 5
519
Check all
Clear all
Clear
Search

FIG. 5

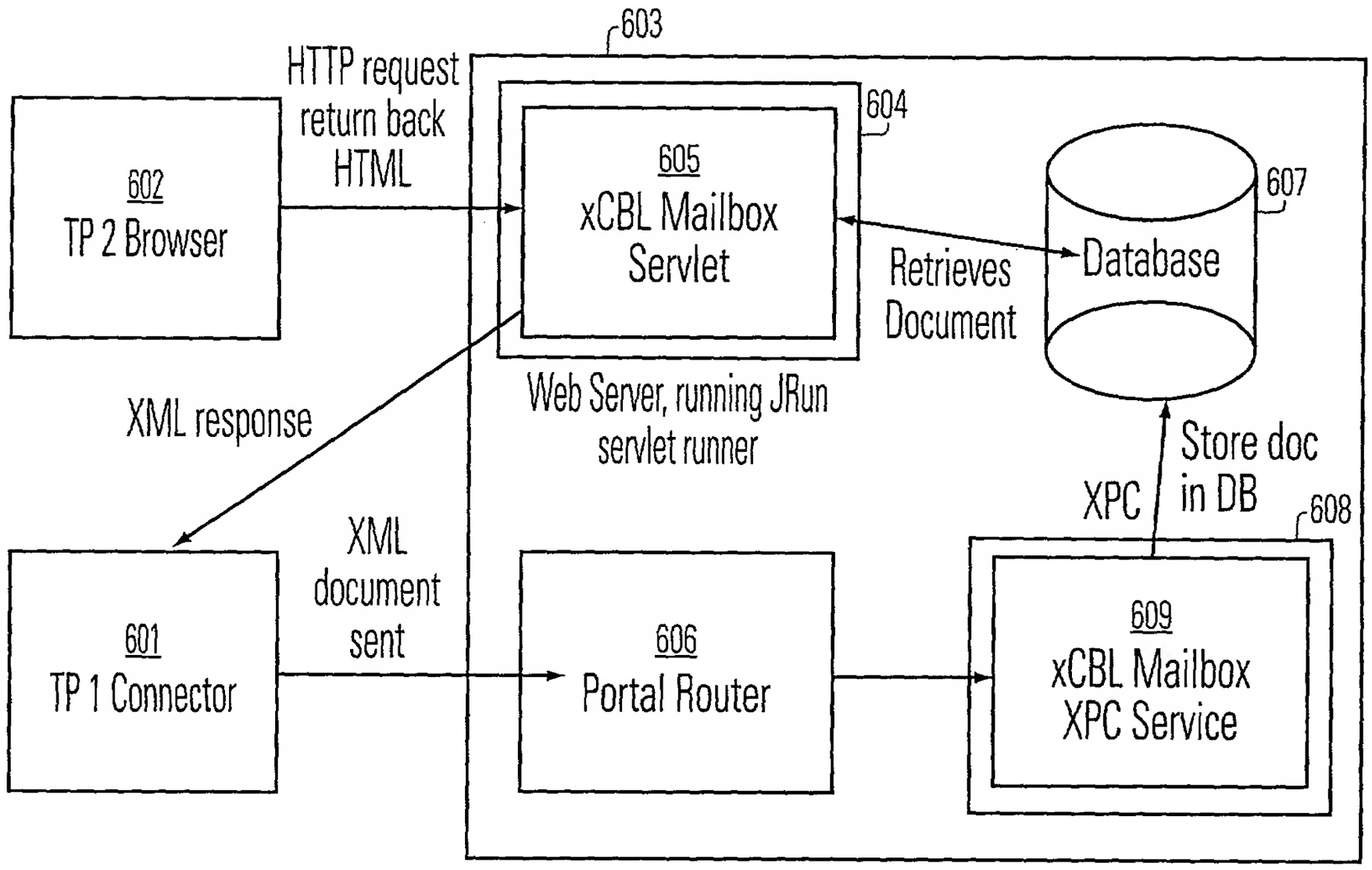
603
HTTP request
return back
HTML
602
TP 2 Browser
604
605
xCBL Mailbox
Servlet
607
Database
Retrieves
Document
Web Server, running JRun
servlet runner
XML response
Store doc
in DB
XPC
608
XML
document
sent
601
TP 1 Connector
606
Portal Router
609
xCBL Mailbox
XPC Service

FIG. 6

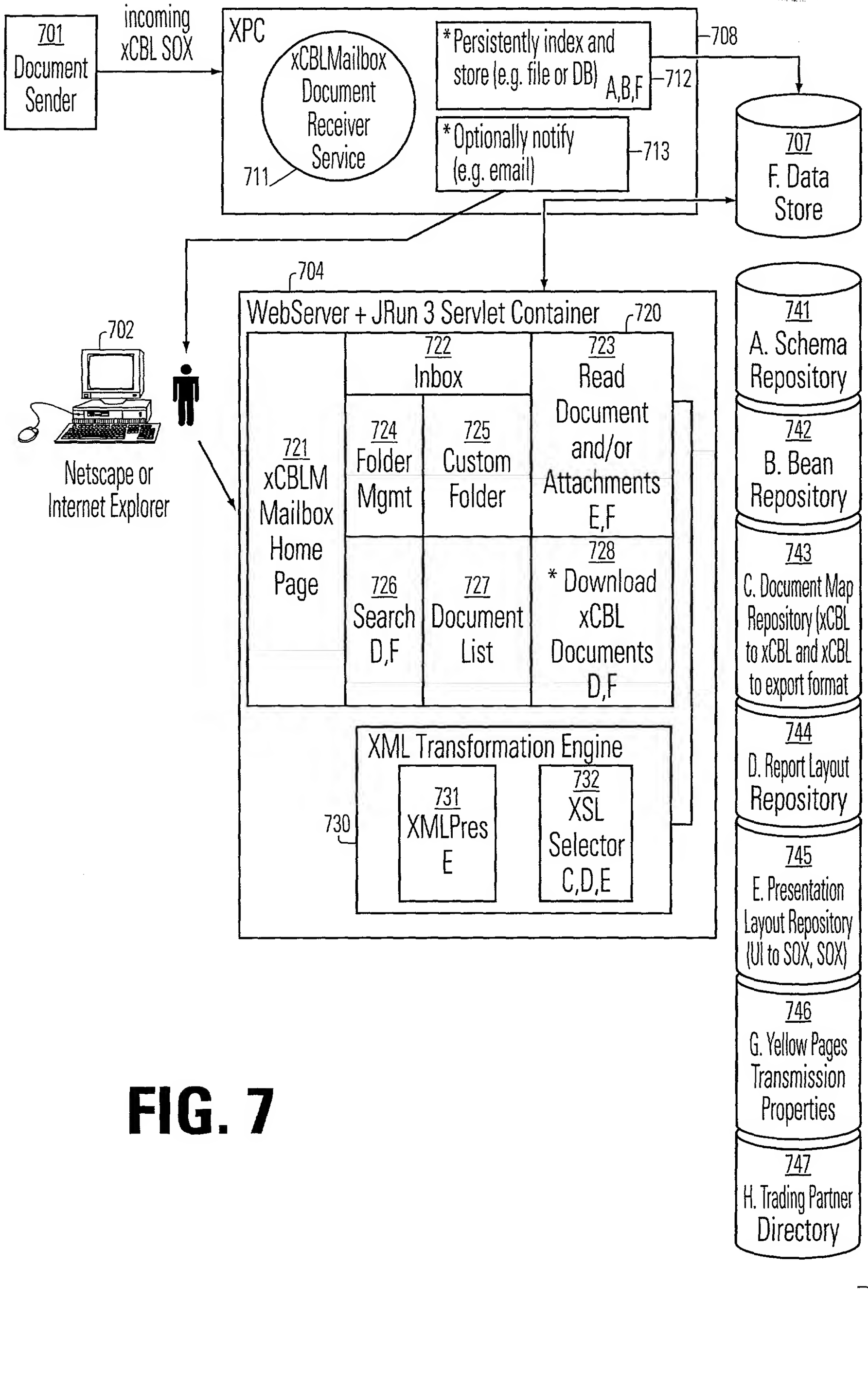
701
Document Sender
incoming xCBL SOX
XPC
xCBLMailbox Document Receiver Service
711
* Persistently index and store (e.g. file or DB) A,B,F
712
708
* Optionally notify (e.g. email)
713
707
F. Data Store
704
WebServer + JRun 3 Servlet Container
720
721
xCBLM Mailbox Home Page
722
Inbox
723
Read Document and/or Attachments E,F
724
Folder Mgmt
725
Custom Folder
726
Search D,F
727
Document List
728
* Download xCBL Documents D,F
730
XML Transformation Engine
731
XMLPres E
732
XSL Selector C,D,E
702
Netscape or Internet Explorer
741
A. Schema Repository
742
B. Bean Repository
743
C. Document Map Repository (xCBL to xCBL and xCBL to export format
744
D. Report Layout Repository
745
E. Presentation Layout Repository (UI to SOX, SOX)
746
G. Yellow Pages Transmission Properties
747
H. Trading Partner Directory

FIG. 7

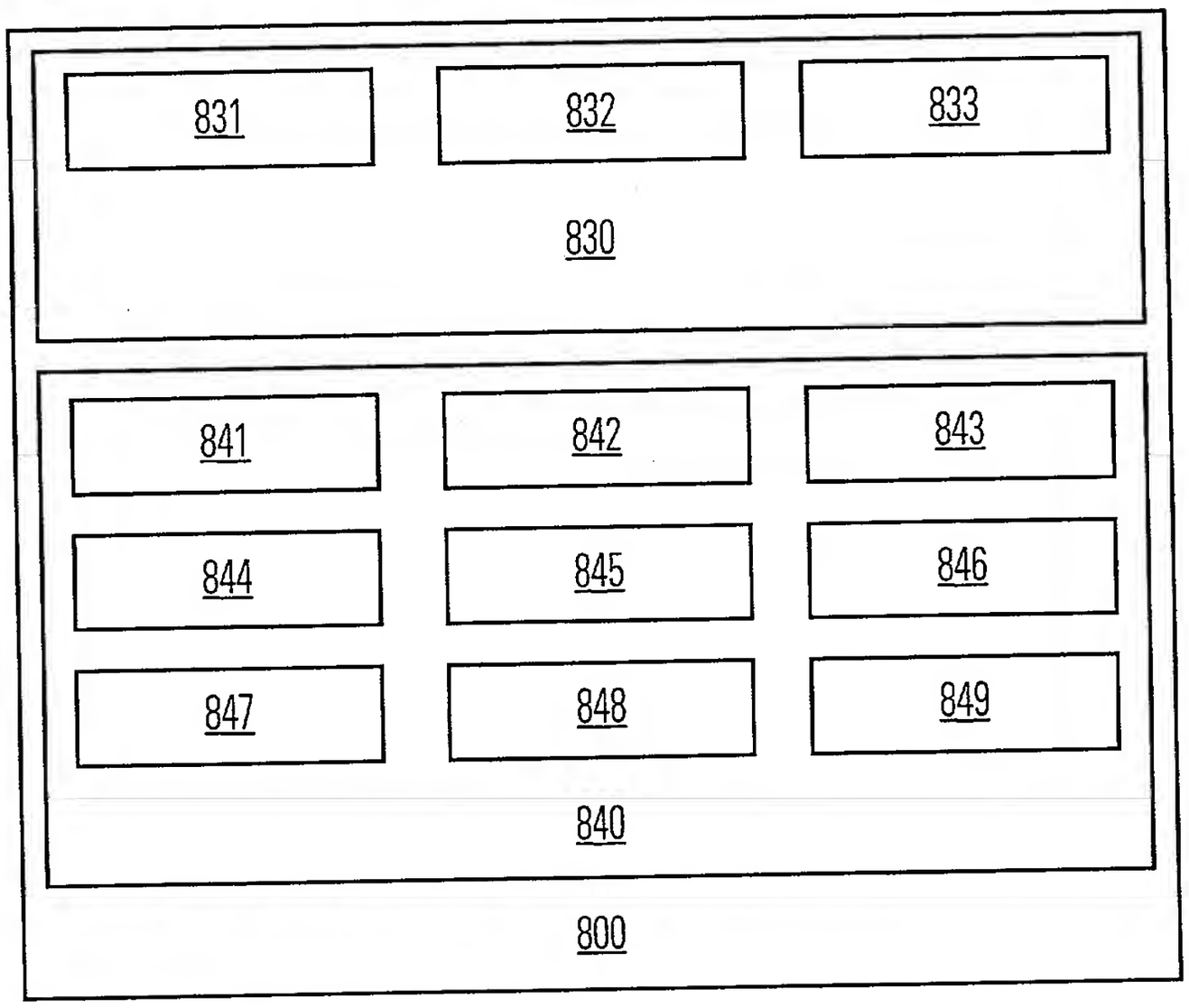

FIG. 8

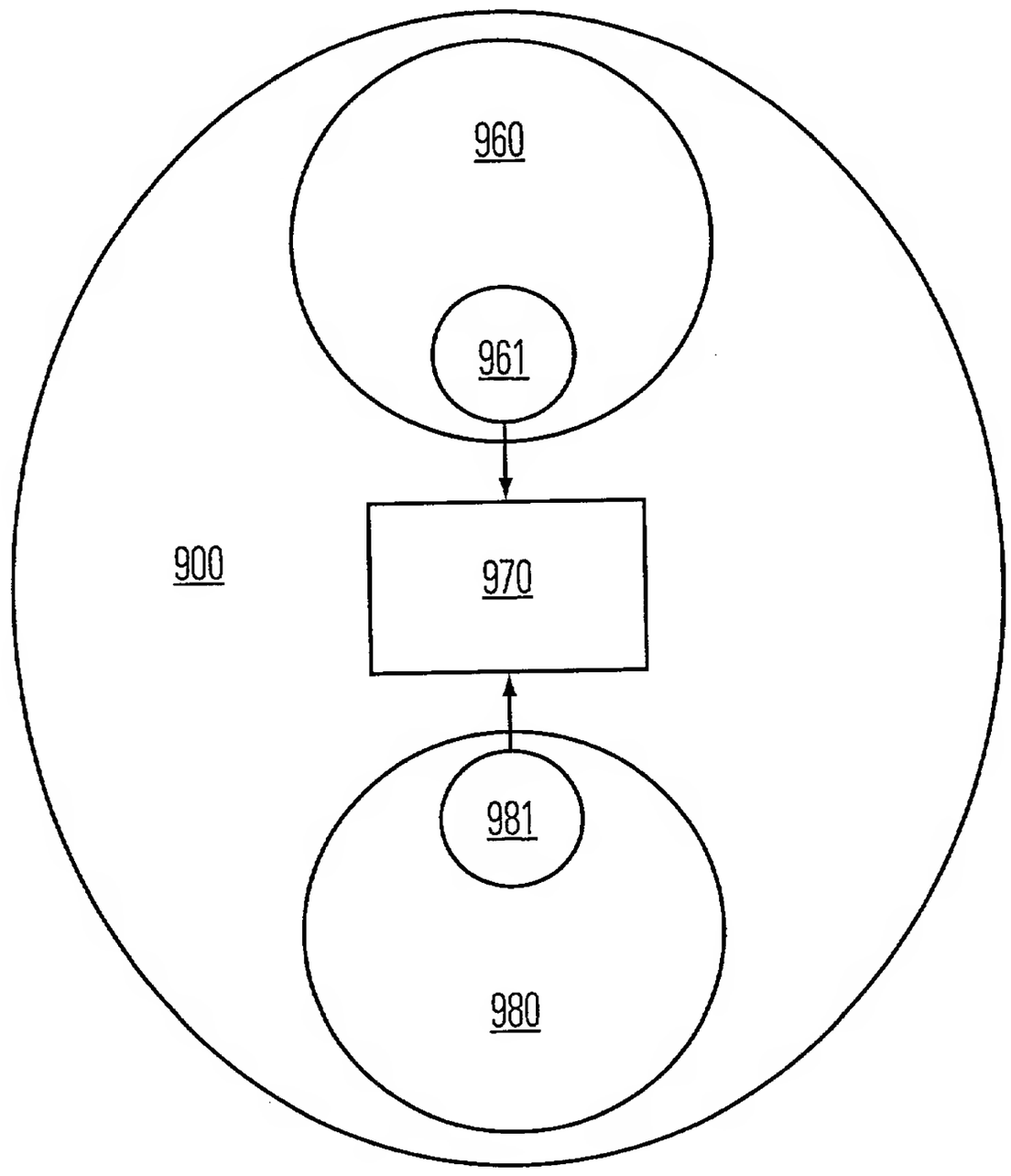

FIG. 9

"Express Mail" mailing label number EV 339920845 US
Date of Deposit: September 26, 2003

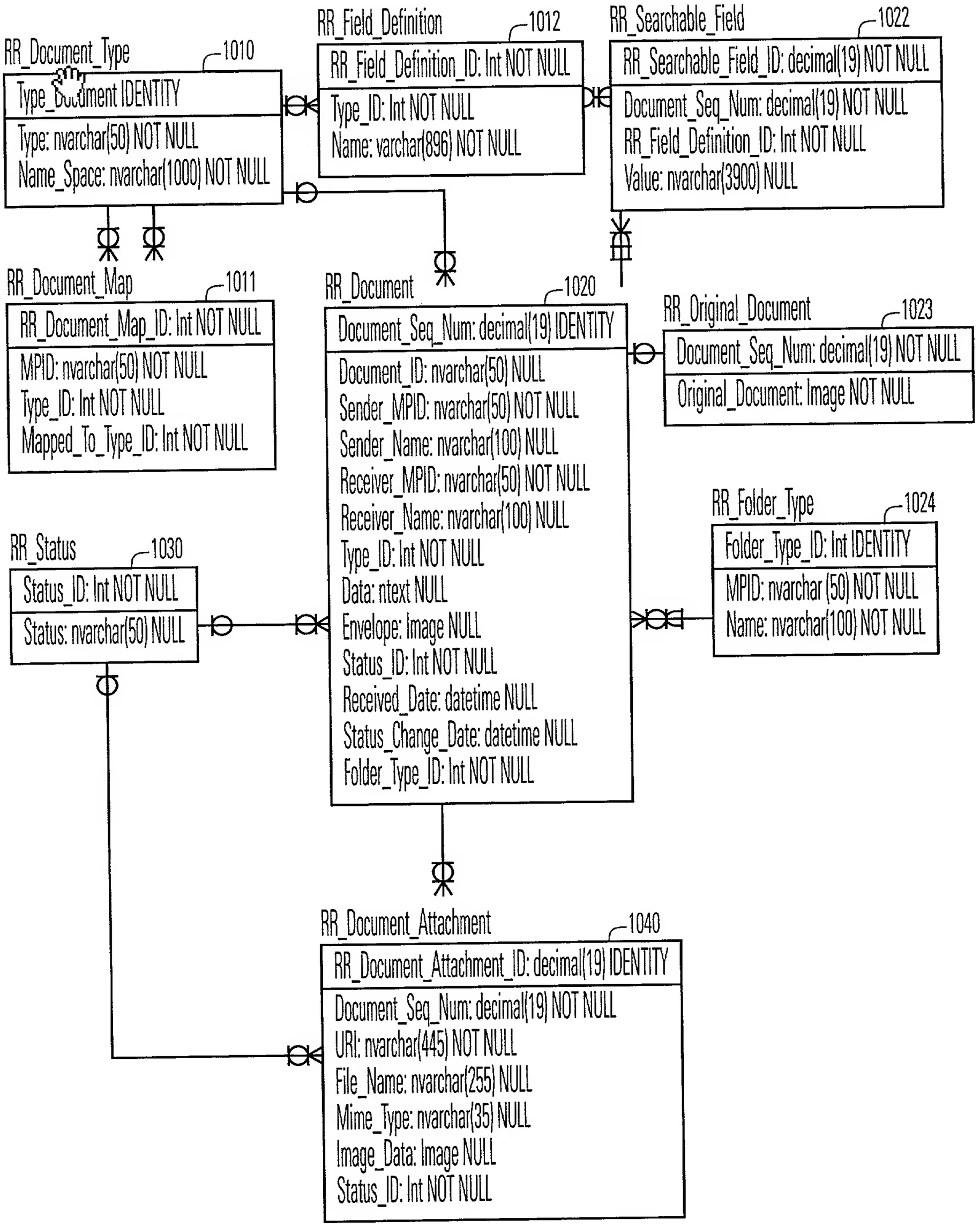
RR_Document_Type
1010
Type_Document IDENTITY
Type: nvarchar(50) NOT NULL
Name_Space: nvarchar(1000) NOT NULL
RR_Field_Definition
1012
RR_Field_Definition_ID: Int NOT NULL
Type_ID: Int NOT NULL
Name: varchar(896) NOT NULL
RR_Searchable_Field
1022
RR_Searchable_Field_ID: decimal(19) NOT NULL
Document_Seq_Num: decimal(19) NOT NULL
RR_Field_Definition_ID: Int NOT NULL
Value: nvarchar(3900) NULL
RR_Document_Map
1011
RR_Document_Map_ID: Int NOT NULL
MPID: nvarchar(50) NOT NULL
Type_ID: Int NOT NULL
Mapped_To_Type_ID: Int NOT NULL
RR_Document
1020
Document_Seq_Num: decimal(19) IDENTITY
Document_ID: nvarchar(50) NULL
Sender_MPID: nvarchar(50) NOT NULL
Sender_Name: nvarchar(100) NULL
Receiver_MPID: nvarchar(50) NOT NULL
Receiver_Name: nvarchar(100) NULL
Type_ID: Int NOT NULL
Data: ntext NULL
Envelope: Image NULL
Status_ID: Int NOT NULL
Received_Date: datetime NULL
Status_Change_Date: datetime NULL
Folder_Type_ID: Int NOT NULL
RR_Original_Document
1023
Document_Seq_Num: decimal(19) NOT NULL
Original_Document: Image NOT NULL
RR_Folder_Type
1024
Folder_Type_ID: Int IDENTITY
MPID: nvarchar (50) NOT NULL
Name: nvarchar(100) NOT NULL
RR_Status
1030
Status_ID: Int NOT NULL
Status: nvarchar(50) NULL
RR_Document_Attachment
1040
RR_Document_Attachment_ID: decimal(19) IDENTITY
Document_Seq_Num: decimal(19) NOT NULL
URI: nvarchar(445) NOT NULL
File_Name: nvarchar(255) NULL
Mime_Type: nvarchar(35) NULL
Image_Data: Image NULL
Status_ID: Int NOT NULL

FIG. 10

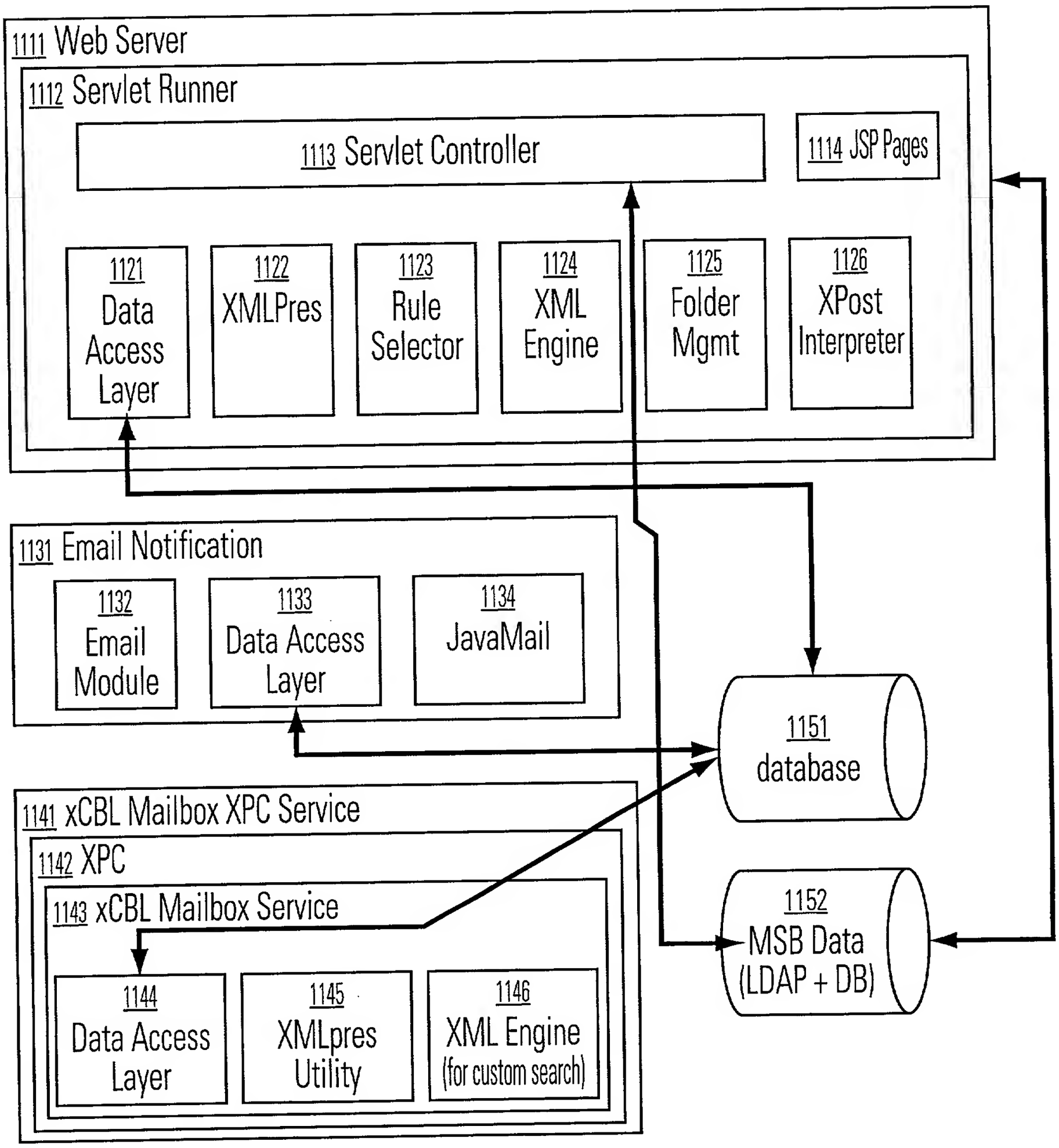
1111 Web Server
1112 Servlet Runner
1113 Servlet Controller
1114 JSP Pages
1121 Data Access Layer
1122 XMLPres
1123 Rule Selector
1124 XML Engine
1125 Folder Mgmt
1126 XPost Interpreter
1131 Email Notification
1132 Email Module
1133 Data Access Layer
1134 JavaMail
1151 database
1141 xCBL Mailbox XPC Service
1142 XPC
1143 xCBL Mailbox Service
1144 Data Access Layer
1145 XMLpres Utility
1146 XML Engine (for custom search)
1152 MSB Data (LDAP + DB)

FIG. 11

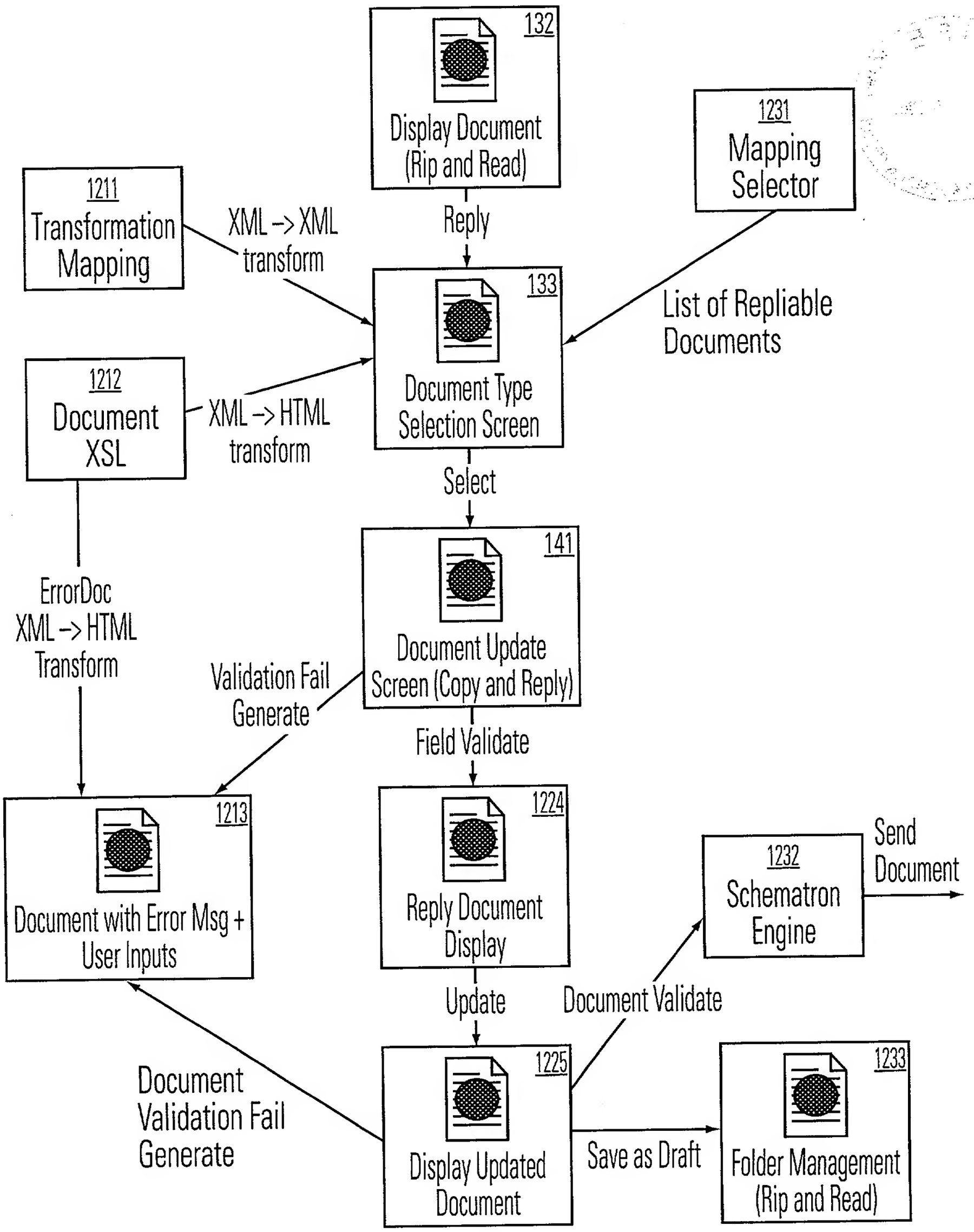
132
Display Document (Rip and Read)
1231
Mapping Selector
1211
Transformation Mapping
XML -> XML transform
Reply
133
List of Repliable Documents
1212
Document XSL
XML -> HTML transform
Document Type Selection Screen
Select
141
Document Update Screen (Copy and Reply)
ErrorDoc XML -> HTML Transform
Validation Fail Generate
Field Validate
1213
Document with Error Msg + User Inputs
1224
Reply Document Display
1232
Schematron Engine
Send Document
Update
Document Validate
Document Validation Fail Generate
1225
Display Updated Document
Save as Draft
1233
Folder Management (Rip and Read)

FIG. 12

Exhibit 1008 Page 0012

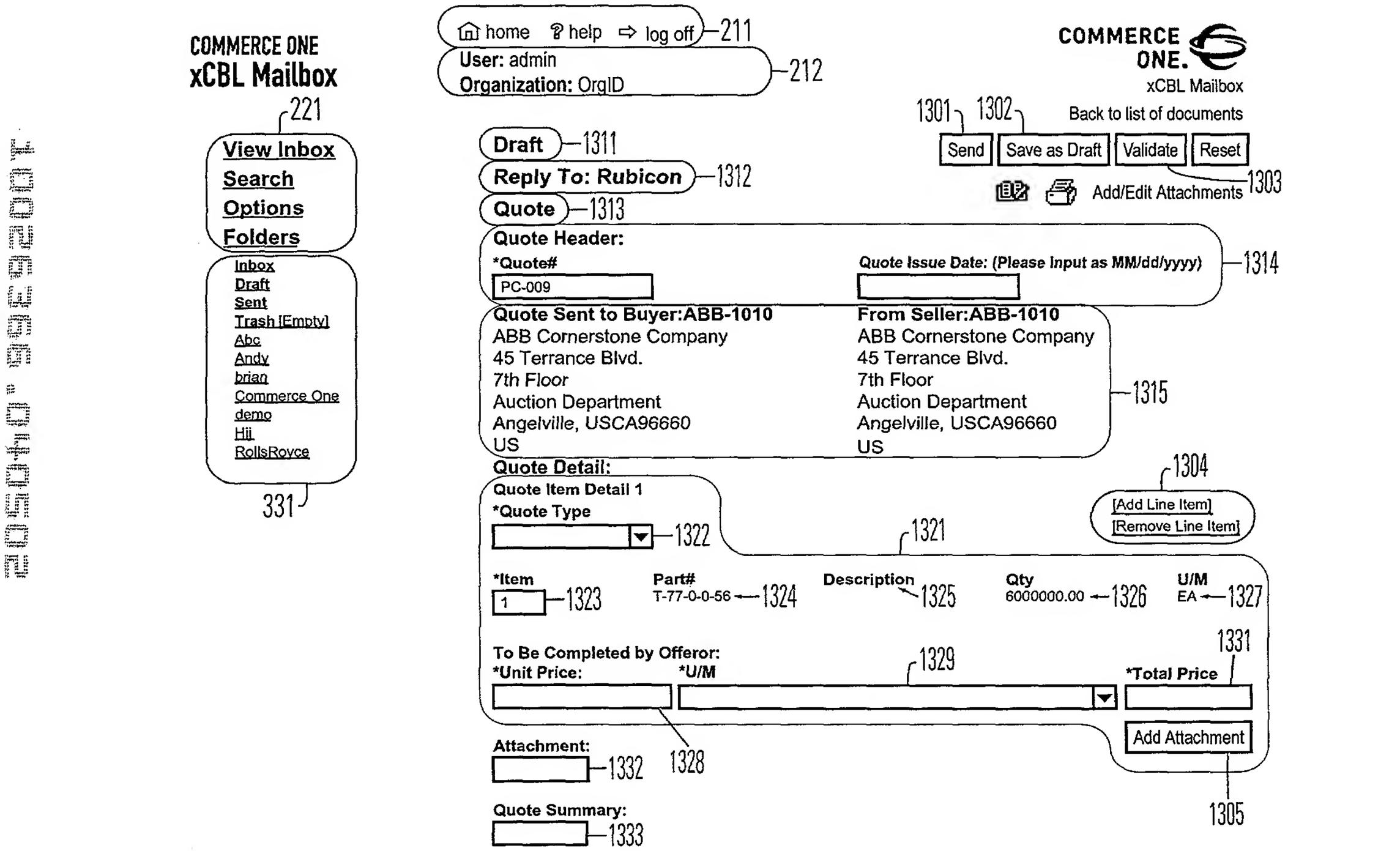

FIG. 13

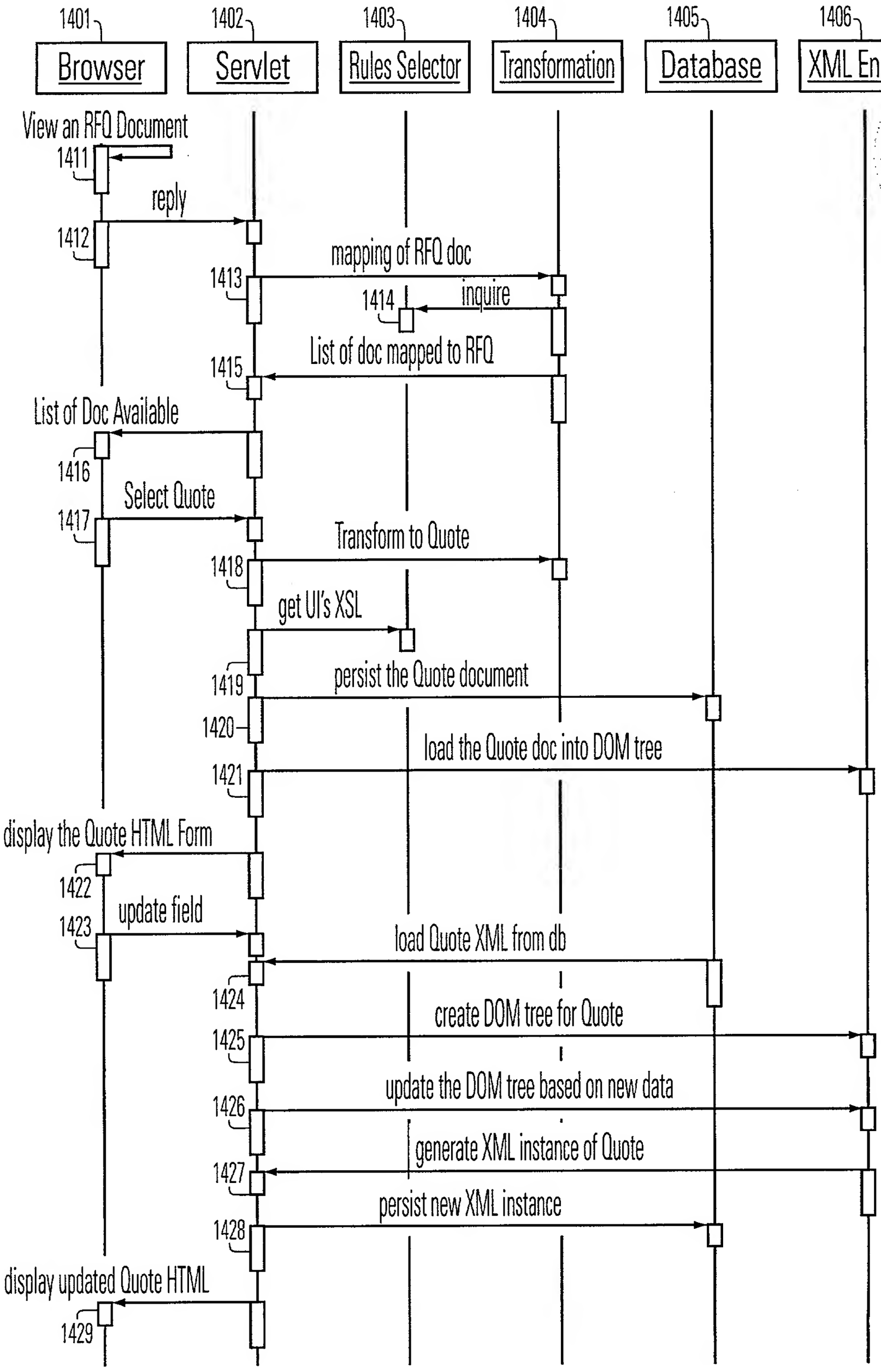
1401
Browser
1402
Servlet
1403
Rules Selector
1404
Transformation
1405
Database
1406
XML Engine
View an RFQ Document
1411
reply
1412
mapping of RFQ doc
1413
1414
inquire
List of doc mapped to RFQ
1415
List of Doc Available
1416
Select Quote
1417
Transform to Quote
1418
get UI's XSL
persist the Quote document
1419
1420
load the Quote doc into DOM tree
1421
display the Quote HTML Form
1422
update field
1423
load Quote XML from db
1424
create DOM tree for Quote
1425
update the DOM tree based on new data
1426
generate XML instance of Quote
1427
persist new XML instance
1428
display updated Quote HTML
1429

FIG. 14

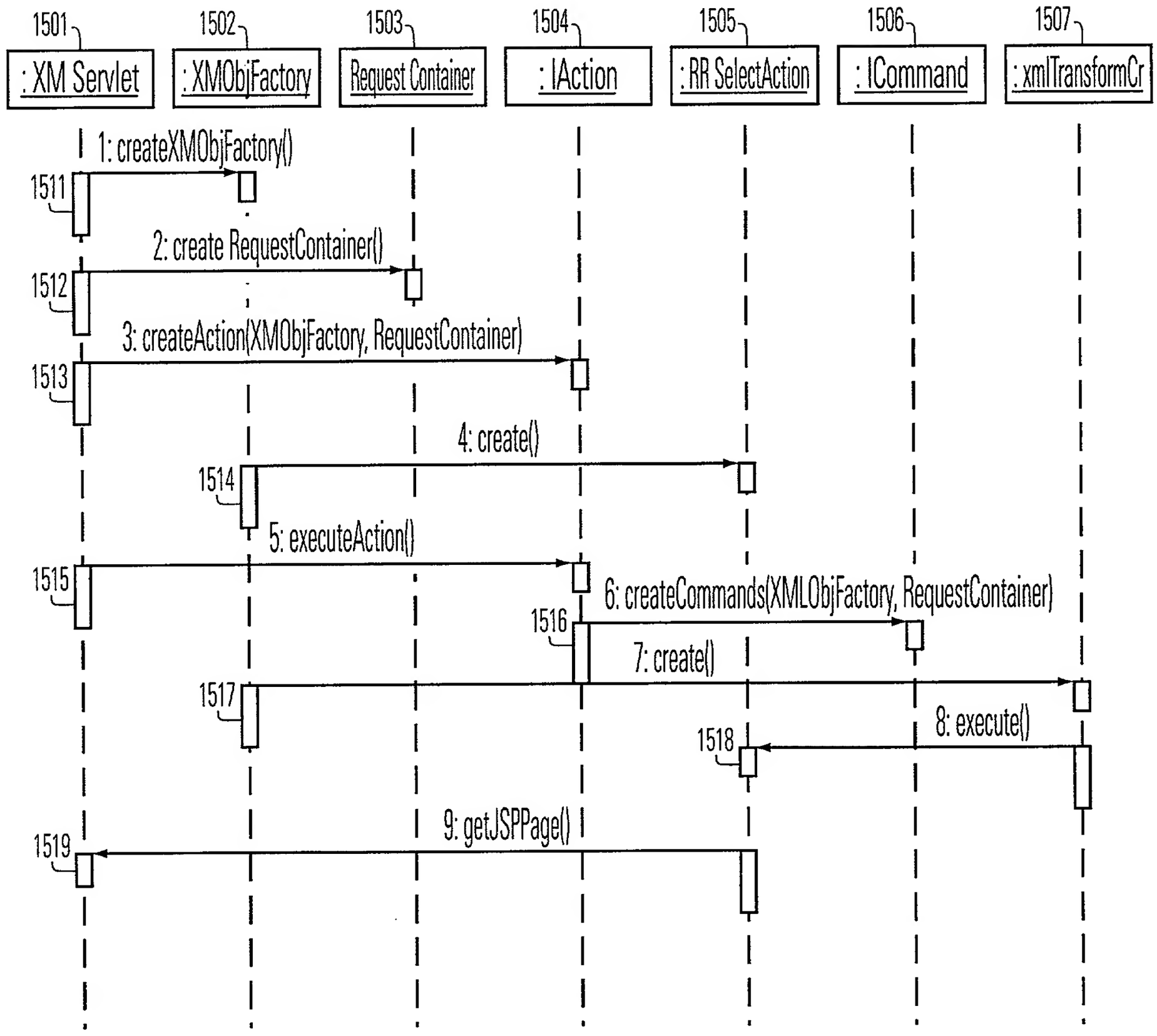
1501
: XM Servlet
1502
: XMObjFactory
1503
Request Container
1504
: IAction
1505
: RR SelectAction
1506
: ICommand
1507
: xmlTransformCr
1: createXMObjFactory()
1511
2: create RequestContainer()
1512
3: createAction(XMObjFactory, RequestContainer)
1513
4: create()
1514
5: executeAction()
1515
6: createCommands(XMLObjFactory, RequestContainer)
1516
7: create()
1517
8: execute()
1518
9: getJSPPage()
1519

FIG. 15

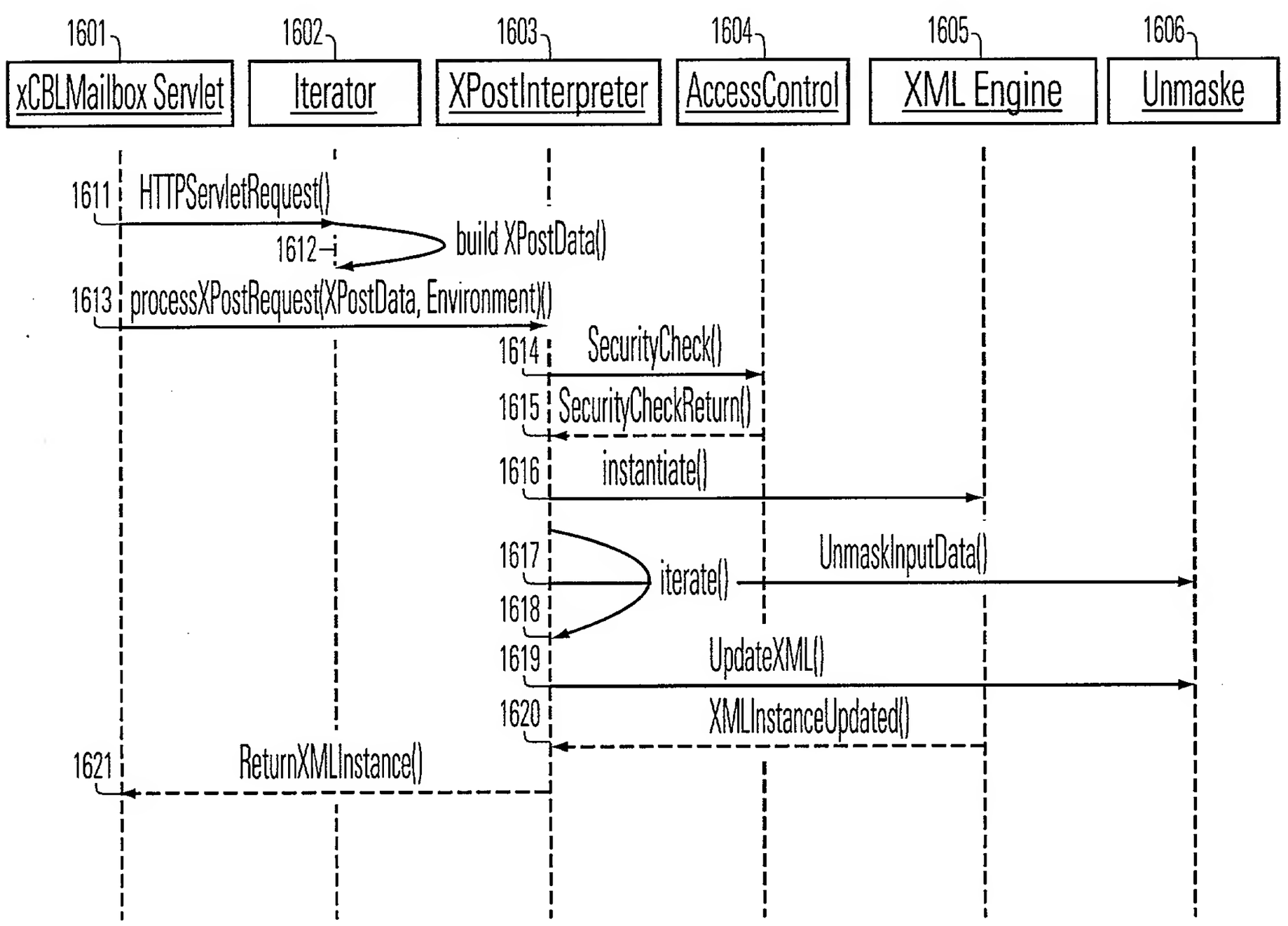
1601
xCBLMailbox Servlet
1602
Iterator
1603
XPostInterpreter
1604
AccessControl
1605
XML Engine
1606
Unmaske
1611 HTTPServletRequest()
1612 build XPostData()
1613 processXPostRequest(XPostData, Environment)()
1614 SecurityCheck()
1615 SecurityCheckReturn()
1616 instantiate()
1617 iterate()
UnmaskInputData()
1618
1619 UpdateXML()
1620 XMLInstanceUpdated()
1621 ReturnXMLInstance()

FIG. 16

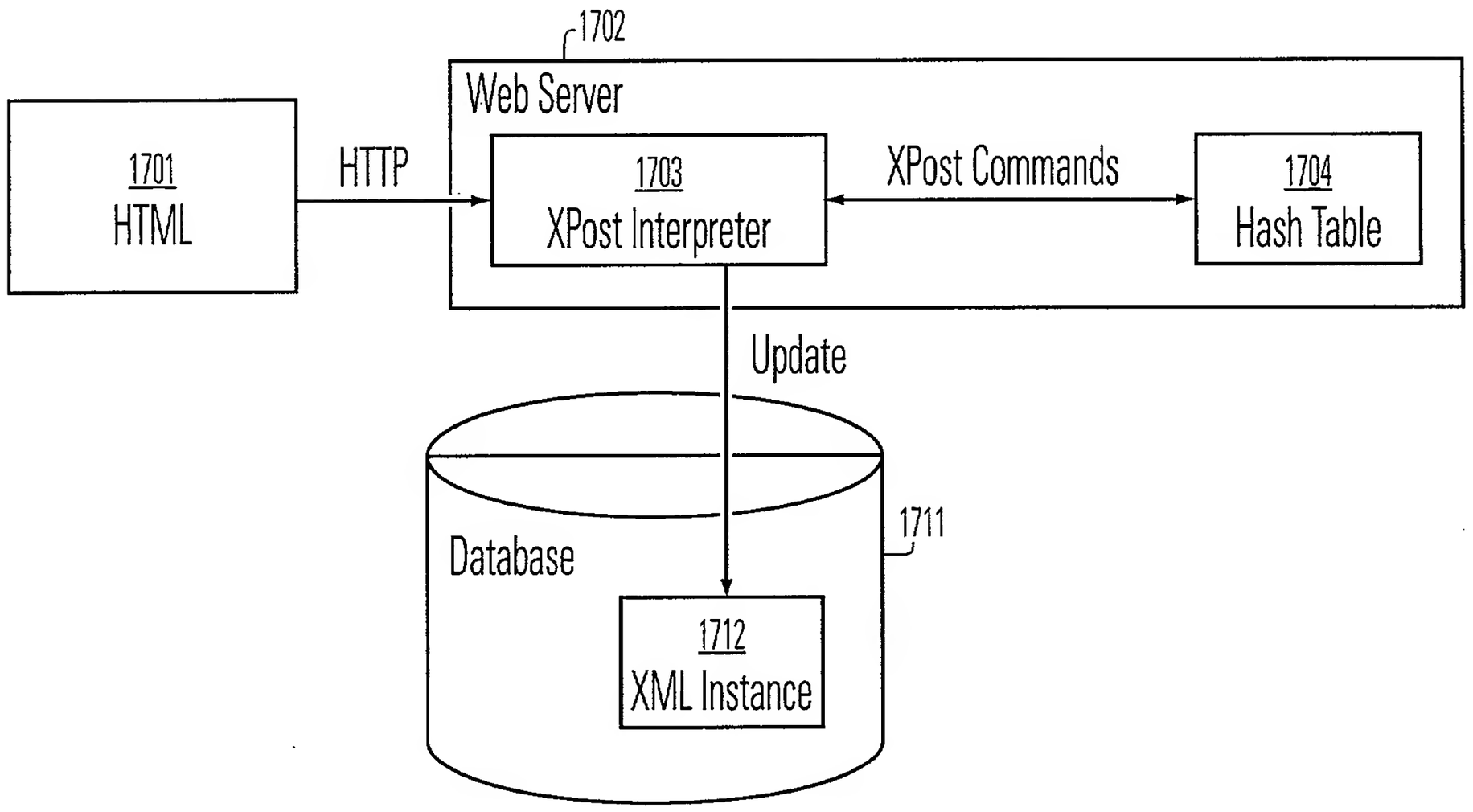
1702
Web Server
1701
HTML
HTTP
1703
XPost Interpreter
XPost Commands
1704
Hash Table
Update
Database
1711
1712
XML Instance

FIG. 17

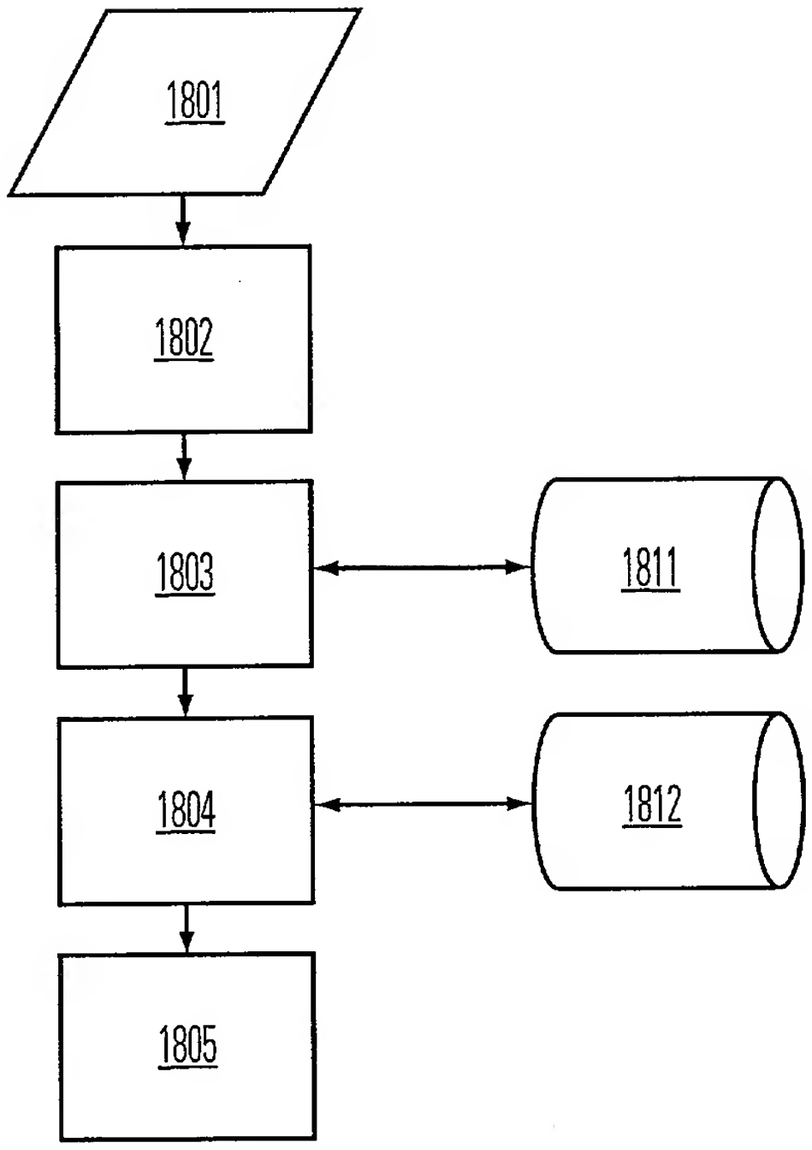
1801
1802
1803
1811
1804
1812
1805

FIG. 18

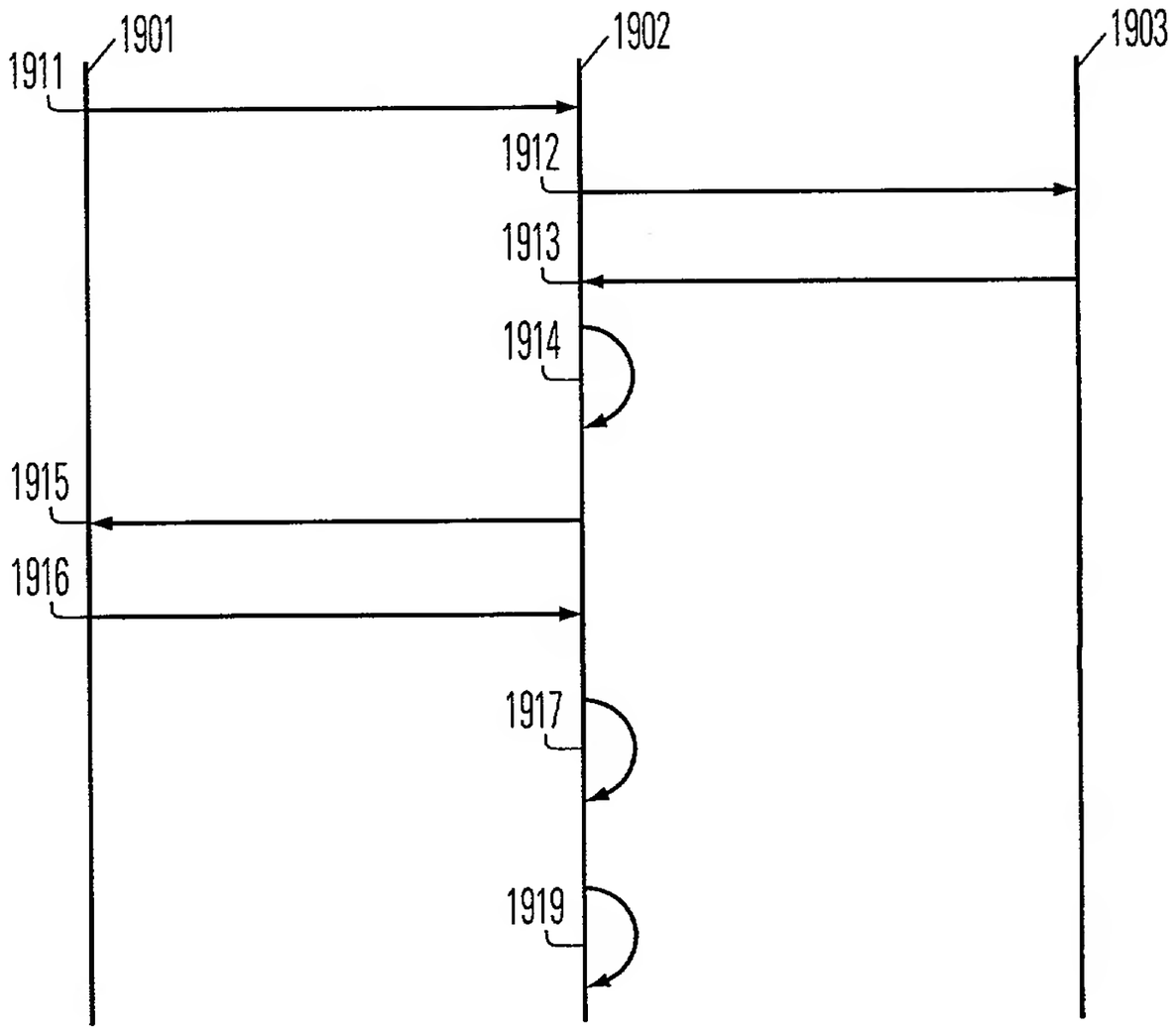
1901
1902
1903
1911
1912
1913
1914
1915
1916
1917
1919

FIG. 19

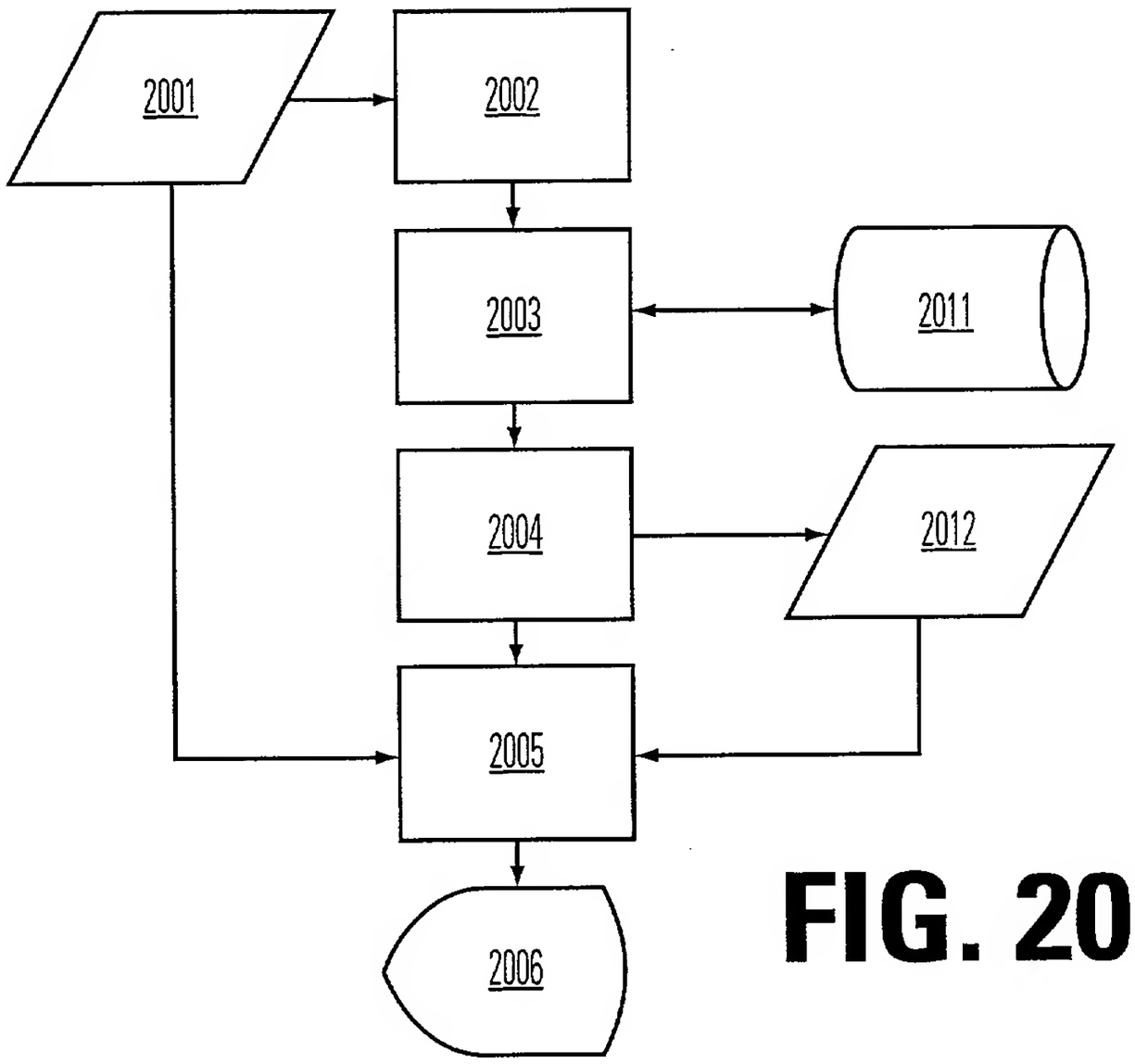
2001
2002
2003
2011
2004
2012
2005
2006

FIG. 20

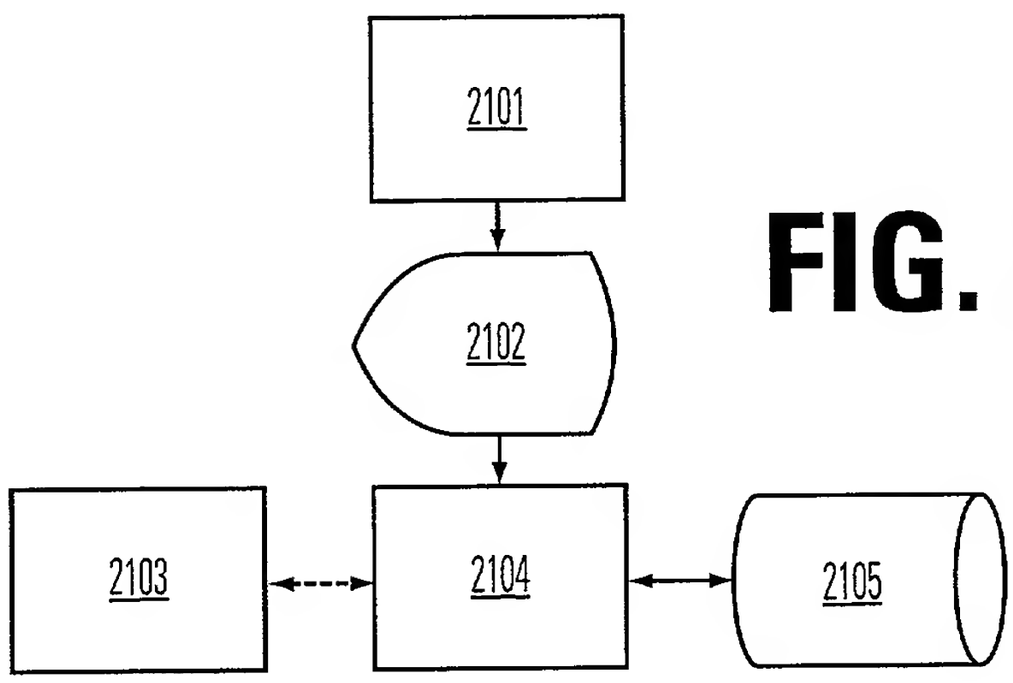
2101
2102
2103
2104
2105

FIG. 21

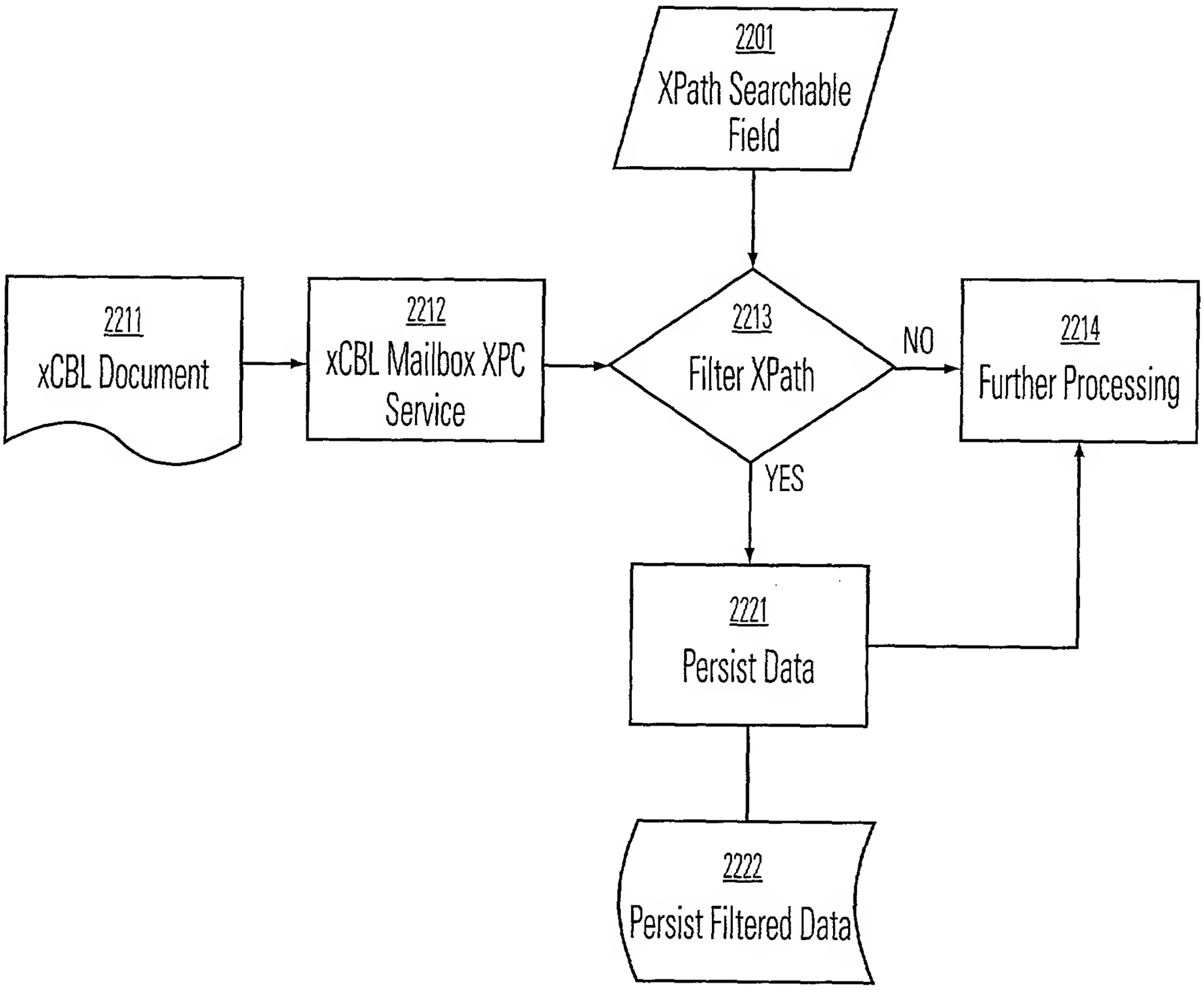
2201
XPath Searchable Field
2211
xCBL Document
2212
xCBL Mailbox XPC Service
2213
Filter XPath
NO
2214
Further Processing
YES
2221
Persist Data
2222
Persist Filtered Data

FIG. 22

Inventors: Muljadi Sulistio et al.
Method and Apparatus for Declarative Error Handling and Presentation
Application No. 10/026,366
Attorney Docket No.: CMRC 1008-1

SQL Server Enterprise Manager - [2:Data in Table 'RR_Document_Type' in 'XM_20' on 'JEEP']

Console Window Help

	Type_ID	Type	Name_Space	TS_Supported	Application_Created
▶	1	RequestFor Quotati	urn:x-commerceone:document:com:commerceone:XCBL35:XCBL35.sox$1.0	0	1
	2	RequestFor Quotati	urn:x-commerceone:document:com:commerceone:XCBL30:XCBL30.sox$1.0	0	1
	3	Quote	urn:x-commerceone:document:com:commerceone:XCBL35:XCBL35.sox$1.0	0	<NULL>
	4	Quote	urn:x-commerceone:document:com:commerceone:XCBL30:XCBL30.sox$1.0	0	1
	5	Order	urn:x-commerceone:document:com:commerceone:XCBL35:XCBL35.sox$1.0	0	1
	6	Order	urn:x-commerceone:document:com:commerceone:XCBL30:XCBL30.sox$1.0	0	<NULL>
	7	AdvanceShipmentN	urn:x-commerceone:document:com:commerceone:XCBL35:XCBL35.sox$1.0	0	<NULL>
	8	AdvanceShipmentN	urn:x-commerceone:document:com:commerceone:XCBL30:XCBL30.sox$1.0	0	<NULL>
	9	AdvanceShipmentN	urn:x-commerceone:document:com:commerceone:CBL01:CBL01.sox$1.0	0	<NULL>
	10	Invoice	urn:x-commerceone:document:com:commerceone:XCBL35:XCBL35.sox$1.0	0	1
	11	Invoice	urn:x-commerceone:document:com:commerceone:XCBL30:XCBL30.sox$1.0	0	<NULL>
	12	Invoice	urn:x-commerceone:document:com:commerceone:CBL01:CBL01.sox$1.0	0	1
	13	PurchaseOrder	urn:x-commerceone:document:com:commerceone:CBL01:CBL01.sox$1.0	0	<NULL>
	14	PurchaseOrder	urn:x-commerceone:document:com:commerceone:CBL:CBL.sox$1.0	0	1
*					

2301 2302 2303 2304 2305

FIG. 23

SQL Server Enterprise Manager - [2:Data in Table 'RR_Field_Definition' in 'XM_20' on 'JEEP']

Console Window Help

RR_Fiel	Definition	MPID	Type_ID	Name
26		f8d52c54-77b6-10(	4	/Quote/ListOfQuoteDetails/QuoteDetails[*]/QuoteItemDetail/TotalQuantity/Quantity/QuantityValue/@CondtionsCoded
34		f8d52c54-77b6-10(	4	/Quote/ListOfQuoteDetails/QuoteDetails[*]/QuoteItemListOfAttachment/ListOfAttachment/Attachment[*]/FileName
36		f8d52c54-77b6-10(	4	/Quote/ListOfQuoteDetails/QuoteDetails[*]/QuoteItemType/QuoteType/QuoteTypeCoded
41		f94be98e-77b6-10(	2	/RequestForQuotation/ListOfRequestQuoteDetails/RequestQuoteDetails[*]/RequestQuoteItemDetail/BaseItemDetail/ItemIdentifiers/PartNumber
42		f94be98e-77b6-10(	2	/RequestForQuotation/ListOfRequestQuoteDetails/RequestQuoteDetails[*]/RequestQuoteItemDetail/BaseItemDetail/TotalQuantity/Quantity/Qu
40		f94be98e-77b6-10(	2	/RequestForQuotation/RequestQuoteHeader/RequestQuoteID/Reference/RefNum
44		f94be98e-77b6-10(	2	/RequestForQuotation/RequestQuoteHeader/RequestQuoteParty/OrderParty/BuyerParty/Party/NameAddress/Name1
29		f94be98e-77b6-10(	4	/Quote/ListOfQuoteDetails/QuoteDetails[*]/QuoteItemDetail/TotalQuantity/Quantity/QuantityValue/@CondtionsCoded
27		f94be98e-77b6-10(	4	/Quote/ListOfQuoteDetails/QuoteDetails[*]/QuoteItemDetail/TotalQuantity/Quantity/QuantityValue/@SignificanceCoded
32		f94be98e-77b6-10(	4	/Quote/ListOfQuoteDetails/QuoteDetails[*]/QuoteItemListOfAttachment/ListOfAttachment/Attachment[*]/FileName
20		f94be98e-77b6-10(	4	/Quote/ListOfQuoteDetails/QuoteDetails[*]/QuoteItemType/QuoteType/QuoteTypeCoded
19		f94be98e-77b6-10(	4	/Quote/QuoteHeader/QuoteID/Reference/RefNum
15		f94be98e-77b6-10(	12	/Invoice/InvoiceHeader/CBLPrefix:InvoiceCurrency
17		f94be98e-77b6-10(	12	/Invoice/InvoiceHeader/InvoiceIssuedDate
1		f94be98e-77b6-10(	12	/Invoice/InvoiceHeader/InvoiceSupplierID/CBLPrefix:Reference/CBLPrefix:RefNum
3		f94be98e-77b6-10(	12	/Invoice/InvoiceHeader/InvoiceType
14		f94be98e-77b6-10(	12	/Invoice/InvoiceSummary/InvoiceTotals/CBLPrefix:GrossValue
13		f94be98e-77b6-10(	12	/Invoice/InvoiceSummary/InvoiceTotals/CBLPrefix:NetValue
6		f94be98e-77b6-10(	12	/Invoice/ListOfInvoiceDetail/InvoiceDetail/CBLPrefix:LineItemNum
10		f94be98e-77b6-10(	12	/Invoice/ListOfInvoiceDetail/InvoiceDetail/CBLPrefix:SupplierPartNum/CBLPrefix:PartNum/CBLPrefix:PartID
11		f94be98e-77b6-10(	12	/Invoice/ListOfInvoiceDetail/InvoiceDetail/CBLPrefix:UnitPrice
12		f94be98e-77b6-10(	12	/Invoice/ListOfInvoiceDetail/InvoiceDetail/Tax/CBLPrefix:TaxAmount
38		f94be98e-77b6-10(	12	/Invoice/ListOfInvoiceDetail/InvoiceDetail[*]/invoiceDetailRefs/InvoiceRefs/ListOfRelatedInvoiceRef/RelatedInvoiceRef[*]/InvoiceNumber/CBLP
*				

2401 2402 2403 2404

FIG. 24

21/23
Inventors: Muljadi Sulistio et al.
Method and Apparatus for Declarative Error Handling and Presentation
Application No. 10/026,366
Attorney Docket No.: CMRC 1008-1

```
#
# The file is for the displaying the XPath information in search page.
# Default is empty. You can put the XPath and information like:
# Order/OrderHeader/OrderNumber/BuyerOrderNumber = Purchase Order Number
#
```

2501

```
/Order/OrderHeader/OrderNumber/BuyerOrderNumber = PO#
/Order/OrderHeader/Purpose/PurposeCoded/ = PO Purpose
/Order/OrderHeader/OrderParty/BuyerParty/Party/PartyID/Identifier/Ident = Buyer ID
/Order/OrderHeader/OrderParty/SellerParty/Party/PartyID/Identifier/Agency/AgencyCoded
= Seller Agency Coded
/PriceCheckRequest/PriceCheckRequestDetail/ListOfPriceCheckRequestItemDetail/PriceChe
ckRequestItemDetail/PriceCheckRequestBaseItemDetail/LineItemNum/BuyerLineItemNum =
Buyer Line Item Number
/Quote/QuoteHeader/QuoteID/Reference/RefNum = Reply Quote #
/Quote/ListOfQuoteDetails/QuoteDetails[*]/QuoteItemType/QuoteType/QuoteTypeCoded =
Type
/RequestForQuotation/RequestQuoteHeader/RequestQuoteID/Reference/RefNum = PO#
/RequestForQuotation/RequestQuoteHeader/RequestQuoteParty/OrderParty/BuyerParty/Party
/NameAddress/Name1 = Buyer Name
```

```
#
# ******** Multiple occurrence ********
#
```

2502

```
/Quote/ListOfQuoteDetails/QuoteDetails[*]/QuoteItemDetail/TotalQuantity/Quantity/Quan
tityValue/@ConditionsCoded = Quantity Coded (attribute)
/Quote/ListOfQuoteDetails/QuoteDetails[*]/QuoteItemDetail/TotalQuantity/Quantity/Quan
tityValue/@SignificanceCoded = Signific (attribute)
/Quote/ListOfQuoteDetails/QuoteDetails[*]/QuoteItemListOfAttachment/ListOfAttachment/
Attachment[*]/FileName = Attach File
/RequestForQuotation/ListOfRequestQuoteDetails/RequestQuoteDetails[*]/RequestQuoteIte
mDetail/BaseItemDetail/ItemIdentifiers/PartNumbers/BuyerPartNumber/PartNum/PartID =
Part Number
/RequestForQuotation/ListOfRequestQuoteDetails/RequestQuoteDetails[*]/RequestQuoteIte
mDetail/BaseItemDetail/LineItemNum/BuyerLineItemNum = Line Item#
/RequestForQuotation/ListOfRequestQuoteDetails/RequestQuoteDetails[*]/RequestQuoteIte
mDetail/BaseItemDetail/TotalQuantity/Quantity/QuantityValue/@SignificanceCoded = QTY
Code (attr.)
/AdvanceShipmentNotice/ASNHeader/ASNParty/OrderParty/SellerParty/Party/OtherContacts/
ListOfContact/Contact[*]/ContactName = Contact Name
```

```
#
# ******** Different name space ********
#
```

2503

```
/ChangeOrder/ChangeOrderHeader/CBLPrefix\:OrderReference/CBLPrefix\:AccountCode/CBLPr
efix\:Reference/CBLPrefix\:RefNum = Tester_R#
/ChangeOrder/ChangeOrderHeader/CBLPrefix\:POIssueDate = PO Date
/ChangeOrder/ChangeOrderHeader/CBLPrefix\:RequestedDeliveryDate = Delivery Date
/ChangeOrder/ChangeOrderHeader/CBLPrefix\:ShipByDate = Ship Date
/ChangeOrder/ChangeOrderHeader/CBLPrefix\:OrderReference/CBLPrefix\:AccountCode/CBLPr
efix\:Reference/CBLPrefix\:RefNum = Acc R#
/ChangeOrder/ChangeOrderHeader/CBLPrefix\:OrderParty/CBLPrefix\:BuyerParty/CBLPrefix\
:Party/@PartyID = Party ID (attribute)
/ChangeOrder/ChangeOrderHeader/CBLPrefix\:OrderParty/CBLPrefix\:BuyerParty/CBLPrefix\
:Party/@AgencyID = Agency ID (attribute)
```

FIG. 25

SQL Server Enterprise Manager - [2:Data in Table 'RR_Searchable_Field' in 'XM_20' on 'JEEP']

Console Window Help

	RR_Searchable_Fie	Document_Seq_Nu	RR_Field_Definition	Value
	218	373	34	Contemporary Resume.dot
	219	373	36	Accept
	220	373	36	Decline
	221	375	26	Actual
	222	375	34	commerceone.gif
	223	375	34	test.ppt
	224	375	36	Accept
	225	375	36	Decline
	226	378	17	20010829T11:40:04
	227	378	1	cfsiqwx
	228	378	3	Other
	229	378	14	731553717078757.76
	230	378	13	102124846200985.858
	231	378	6	-1025433866
	232	378	10	rjsupio
	233	378	11	354510583455328.450
	234	378	12	54445096814106.333
	235	378	38	vymtrcev
	236	378	38	svrjgevqdl
	237	378	38	rfemopkh
	238	378	38	lirjght
	239	387	41	T-77-0-0-56
	240	387	42	TrueValue
	241	387	40	PC-009
	242	387	44	AAA Company
	243	388	41	T-77-0-0-56
	244	388	42	TrueValue
	245	388	40	PC-009
	246	388	44	AAA Company
	247	389	42	TrueValue
	248	389	40	PC-009
	249	389	44	AAA Company
	250	391	29	Actual
	251	391	27	TrueValue
	252	391	32	PlanningSchedule_3_30.xml
	253	391	32	AvailabilityToPromiseResponse_3_30.xml
	254	391	32	Invoice_3_30.xml
	255	391	20	Accept
	256	391	20	Decline
	257	391	19	test xpath
	258	392	26	Actual
	259	392	34	PlanningSchedule_3_30.xml
	260	392	34	AvailabilityToPromiseResponse_3_30.xml
	261	392	34	Invoice_3_30.xml
	262	392	36	Accept

2601 2602 2603 2604

FIG. 26